



## ***The industry standard for over 100 years***

Ever since the OHAUS Harvard Trip balance set the standard by which an industry would be measured, both OHAUS products and name have been recognised as among the most reliable in the business. Today our mechanical balances continue to provide solid, accurate performance and durability for long-term reliability.

Whether you are looking for a sturdy balance for teaching children the principles of mass measurement, a precision balance for the laboratory or you need a sturdy balance for tough environments, you will find the ideal product within the OHAUS mechanical family.

- **Complete range for industrial, laboratory and classroom usage**
- **Rugged and durable designs** – features such as self-aligning bearings, overload stops and transportation locks ensure longevity\*
- **Precision weighing** – Up to 0.01g readability, magnetic damping to prevent oscillation and precision engineered metal beams for accurate poise positioning”
- **User-friendly** – Easy-read beams, carry handles, tare capability and Vernier dial on some models

\*Certain models

# Mechanical Balances

## Dial-O-Gram® and Cent-O-Gram® Balances

Favorites in classrooms and industries worldwide, the Cent-O-Gram® balance offers high precision and remarkable value. The three-point base, special floating bearing principle and beam design eliminates the need for level adjustment. Zeroing is quickly achieved by means of a zero adjust knob at the end of the beam. With aluminum pressure castings for the base and beam assembly, agate bearings, steel knife-edges, and stainless steel pan, everything about the Cent-O-Gram and Dial-o-gram ensures a high standard of quality.

### Standard Features Include:

- High precision (0.01g) and remarkable value
- Three-point beam eliminates need for level adjustment
- Quick-zeroing with zero adjust knob
- Vernier dial convenience on Dial-o-Gram (model 310-00)



Dial-O-Gram 310-00



Cent-O-Gram 311-00

## Triple Beam Balances

OHAUS Triple Beam balances give you the accuracy and convenience of a toploading balance with the durability and versatility to accommodate a range of laboratory and industrial applications. These balances are also the perfect learning tool to help students visualize mass measurement principles and to emphasize a hands-on approach to learning.

### Triple Beam 700 and Dial-O-Gram®

Accurate and dependable, the original OHAUS Triple Beam balances have been the standard for decades and accommodate a range of laboratory and education applications.

### Standard Features Include:

- 3x faster stability reading than any other 3-beam balance on the market
- The outstanding quality of the beam allows for smooth positioning of the poise, resulting in superior measurement
- Tare beam on 1650-00 and 760-00 models to allow containers up to 225g to be balanced out
- The Dial-O-Gram® (model 1650-00) combines the convenience of direct-reading dial calibration with the speed of magnetic damping
- Capacity to 2610g with optional weight set
- Under balance weighing possibility for density determination with optional rod and clamp kit



Triple Beam 750-S0



Dial-O-Gram 1650-00  
(with optional weight set)



## Triple Pro®

The OHAUS Triple Pro® mechanical balance offers it all: The superior quality and durability you've come to expect from OHAUS, plus all the extras to satisfy every activity requiring a balance.

### Standard Features Include:

- Unique, easy-grip carrying handle
- Two security features are included to prevent theft; a security loop and a Kensington-type lock (cables sold separately)
- Convenient on-board storage compartment for the included weight set
- A built-in transportation/storage lock helps to protect the longevity by minimizing wear on the knives and bearings
- Includes rod & clamp assembly for below-balance weighing (specific gravity determination)



## Triple Beam Junior

Rugged and affordable, the OHAUS TJ611 Triple Beam Junior balance offers a solid track record of performance for a reasonable price.

### Standard Features Include:

- Rugged OHAUS construction stands strong in the most rigorous classrooms
- Integrated security bracket (cable sold separately)
- Three notched and tiered beams provide ease in reading
- Spring loaded zero adjust compensator
- Magnetic damping minimizes oscillation and speeds weighing
- 610g capacity (TJ611) or 2610g capacity (TJ2611)



Triple Beam junior TJ611

## Two-pan Balances

OHAUS two-pan balances are based on the classic Roberval balance principle and are commonly used for comparative weighing to determine the difference in mass between two objects. Equipped with built-in sliding masses or optional weight sets, they can also be used for absolute weight value determination.

### Harvard Trip - 1400 and 1500

OHAUS Harvard Trip balances feature the advantages of magnetic damping, beams with sliding weights and a choice of weighing platforms.

### Standard Features Include:

- Highly versatile and rugged
- Built-in sliding masses - one beam (10g x 0.1g) on 1450-SD, 2 beams (10g x 0.1g and 200g x 10g) on 1550 and 1560
- Under balance weighing possibility for density determination with optional rod and clamp kit



## Harvard Junior

The Harvard Junior offers the combination of a colorful plastic two-pan balance with the durability and accuracy of the more expensive Harvard Trip, by incorporating a precision-engineered metal beam and zero adjust compensator.

### Standard Features Include:

- Dual style, interchangeable pans (flat plate and bowl-type) allow for a broader range of objects to be weighed
- Stackable on either platform to maximize storage space when not in use
- Built-in transportation/storage lock helps to protect its longevity by eliminating oscillation and preventing unnecessary wear
- Includes 8-piece weight set and a free teacher-developed activity guide



## School Balance

The OHAUS SB1200 School Balance is the ideal teaching tool to introduce children to the science of metrology. With a capacity of 2000 grams and a pivoting beam that provides accuracy to 0.5g, mass measurements can be achieved for a variety of classroom objects.

### Standard Features Include:

- Interchangeable pans are removable for pouring, cleaning and storing
- Lightweight, yet durable plastic design
- Dual pointers allow reading from both sides
- Easy to use zero adjustment
- Moulded handles for portability
- Standard package includes an 18-piece plastic mass set (1 to 50g)



## Primer Balance

An inexpensive tool for teaching the basic concepts of mass and mass measurement, the Primer™ Balance is easy to use and clean, yet sensitive to 1g. Each bucket has a volume of 500ml, which makes it ideal for many simple classroom experiments, with both liquids and solids.

### Standard Features Include:

- Made of virtually unbreakable plastic
- Easy to clean
- Inexpensive, yet accurate



# Mechanical Balances

## Mechanical Balances for Industry

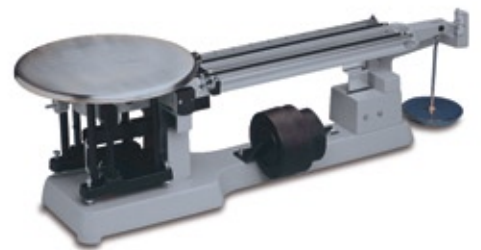
OHAUS' industrial mechanical balances are built to withstand even the most demanding conditions. Their high capacity capabilities and large weighing pans enable a wide variety of heavy samples to be weighed, whilst OHAUS quality engineering ensures precision and reliability throughout their long life-span.

### Heavy Duty Solution Balance

The Heavy Duty Solution Balance has set an industry standard for precision in high-capacity weighing. Durable enough to resist corrosion, this precise balance also weighs with a feather touch, down to 1g over the whole weighing range. The included slotted weights, stored in the base, extend the capacity to 20kg.

#### Standard Features Include:

- Oversized stainless steel plate for larger sized containers
- Constructed of epoxy powder-coated cast aluminium, which is resistant to most commonly used acids
- Positive load stops
- Lockable tare for containers up to 2270g
- Magnetic damping speeds the weighing process
- Self-aligning bearings assure a long, maintenance-free life



### Field Test Balance

The affordable OHAUS Field Test Scales are compact industrial scales that provide accurate weighings of a wide range of heavy materials in applications such as road construction, soil testing, archaeological digs, mineral analysis.

The large, stabilized pan can hold oversized samples without tipping, and the weighted base keeps the entire scale stable for accurate results.

#### Standard Features Include:

- Large black epoxy coated steel pan
- Readings up to 500g from a single, sliding-weight beam (16kg with included weight set)
- Slotted weight set stored in base



# Mechanical Balances

## Cent-O-Gram, Dial-O-Gram Specifications

	Cent-O-Gram	Dial-O-Gram
	311-00	310-00
Capacity (g)	311	310
Readability (g)	0.01	
Adjustment beam (g)	Front Beam: 1 x 0.01 2nd Beam: 10 x 1 3rd Beam: 100 x 10 Rear Beam: 200 x 100	Front Beam: 100 x 10 Rear Beam: 200 x 100 Dial: 10 x 0.01
Pan Type	Stainless steel pan	
Pan Size (cm)	Ø 8.9	
Tare range (g)	-	-

## Industrial Balance Specifications

	Heavy Duty	Field Test
	119-DO	2400-11
Capacity (g)	20000	16000
Readability (g)	1	5
Adjustment beam (g)	Front Beam: 100 x 1 Rear Beam: 1000 x 100	Front Beam: 500 x 5
Pan Type	Stainless steel plate	Epoxy coated steel pan
Pan Size (cm)	Ø 27.9	Ø 27.9
Tare range (g)	2270	-

## Triple Beam Family Specifications

	Triple Beam Jnr		Triple Beam				Triple Pro
	TJ2611	TJ611	1650-00	710-00	750-S0	760-00	TP2610
Capacity (g)	2610	610	610				2610
Capacity (g) with weight set	2610 (included)	2610 (accessory)	2610 (accessory)				2610 (included)
Readability (g)	0.1						
Adjustment beam (g)	Front Beam: 10 x 0.1 Middle Beam: 500 x 100 Rear Beam: 100 x 10		Front Beam: Tare 225 Middle Beam: 500 x 100 Rear Beam: 100 x 10 Dial: 10 x 0.1	Front Beam: 10 x 0.1 Middle Beam: 500 x 100 Rear Beam: 100 x 10			Front Beam: 10 x 0.1 Middle Beam: 500 x 100 Rear Beam: 100 x 10
Pan Type	Fixed stainless steel plate			Removable Stainless steel pan	Fixed stainless steel plate		Fixed stainless steel plate
Pan Size (cm)	Ø 15.2						14.7 x 14.7
Tare range (g)	-	-	225	-	-	225	-
Mass set	Included 3-piece	Accessory					Included 3-piece

## Two-pan Balance Specifications

	Harvard Trip			Harvard Junior	School Balance	Primer Balance
	1450-SD	1550-SD	1650-SD	HJ2001	SB1200	80410-00
Capacity (g)	2000			2000	2000	2000
Readability (g)	0.1			0.5	0.5	1
Adjustment beam (g)	Top Beam 10 x 0.1	Front Beam: 10 x 0.1 Bottom Beam: 200 x 10				
Pan Type	Stainless steel plate			Plastic - flat & bowl versions	3.2cm deep color coded plastic	500ml plastic-buckets
Pan Size (cm)	Ø 15.2			Ø 15	140 x 140	102 x 102
Tare range (g)	-	-	225	-	-	-
Mass set	Accessory			Included 8-piece, 370g	Included 18-piece, plastic, 100g	Accessory

## Accessories

Vinyl dust cover, Triple Beam Family.....	80780017
Vinyl dust cover, Dial-O-Gram, Cent-O-Gram .....	80780005
Anti-theft device TJ and TP.....	80850000
Weight set (2x1kg, 1x500g) for Triple Beam.....	80780108
Weight set (1kg x 1g in plastic box), Harvard Trip.....	80780090
Weight set (50g x 1g), School, Primer.....	80780098

## OHAUS Number

<b>Triple Beam and Harvard Trip</b>	
Polypropylene scoop, 800ml.....	80780006
Polypropylene scoop & counter weight, 800ml.....	80780014
Polypropylene scoop & counter weight, 1750ml.....	80780016
Footed stainless steel scoop, 600ml.....	80250400
Footed stainless steel scoop & counter weight 600ml.....	80780015
Rod and clamp assembly for under balance weighing.....	80780011

## Industry Leading Quality and Support

All OHAUS balances are manufactured under an ISO 9001:2008 Registered Quality Management System. Our rugged construction and stringent quality control have been hallmarks of OHAUS products for over a century.

[www.ohaus.com](http://www.ohaus.com)

\* ISO 9001:2000  
Registered Quality Management System

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